



# **Post-Demographic Transition Challenge In Taiwan**

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**Table 1.Vital Statistics in Taiwan**

Year	CBR	CDR	NIR	GFR	TFR	NRR	Age Specific Fertility Rate						
							15-19	20-24	25-29	30-34	35-39	40-44	45-49
	%	%	%	%	%	—							
1947	38.31	18.15	20.16	162	5.425	2.12	62	225	276	241	168	92	21
1951	49.97	11.37	38.40	211	7.640	2.82	68	287	350	311	226	132	34
1955	45.29	8.59	36.70	197	6.530	2.82	50	273	341	295	210	103	25
1960	39.59	6.96	32.63	180	5.750	2.55	48	253	333	255	169	79	13
1965	32.74	5.47	27.27	152	4.825	2.20	36	261	326	195	100	41	6
1970	27.19	4.91	22.28	120	4.000	1.84	40	238	293	147	59	20	3
1975	22.98	4.70	18.28	92	2.765	1.29	34	191	212	80	26	8	2
1980	23.38	4.76	18.61	91	2.515	1.18	33	180	200	69	16	4	1
1985	18.04	4.81	13.23	68	1.880	0.88	19	129	158	56	12	2	0
1990	16.55	5.21	11.34	62	1.810	0.84	17	100	159	69	15	2	0
1995	15.50	5.60	9.90	55	1.775	0.84	17	85	148	62	20	2	0
2000	13.76	5.68	8.08	48	1.680	0.79	14	72	133	90	24	3	0
2005	9.06	6.13	2.92	33	1.115	0.53	8	44	79	68	21	3	0

Source : Ministry of the Interior, Collection of Data on Population Policy, October, 2006.

**Table 2. Changes in Average Age at First marriage, Divorce Rate, and Proportion Married for Female Population in Taiwan**

Year	Mean age at first marriage		Divorce Rate	Ratio of Marriage to divorce	Proportion currently married (for women) (%)						
	Male	Female	‰		15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	28.2	22.1	0.37	20.2:1	8.0	50.3	88.1	93.0	93.2	90.6	85.7
1980	27.4	23.8	0.77	12.6:1	5.0	39.9	78.9	90.0	92.8	92.5	90.1
1985	28.4	24.9	1.08	7.4:1	3.2	33.7	75.0	87.2	89.9	91.2	89.7
1990	29.0	25.8	1.36	5.2:1	2.5	25.5	66.9	83.7	86.7	87.4	87.4
1995	30.1	28.2	1.57	4.8:1	2.2	21.1	58.6	79.4	83.7	84.1	84.2
2000	30.3	26.1	2.38	3.5:1	1.6	15.1	49.7	73.6	80.1	81.2	80.7
2005	30.6	27.4	2.75	2.3:1	0.7	8.8	35.5	64.4	74.1	76.8	77.3

Source : Ministry of Interior, Population Statistics of Taiwan Area.

**Table 3. No. Of Birth, Crude Birth Rate, Age-Specific Marital Fertility Rate, and Life Expectancy at Birth Rate in Taiwan**

Year	No. of birth (10,000)	Birth Rate (‰)	Age-Specific Marital Fertility Rate							Life expectancy at birth	
			15-19	20-24	25-29	30-34	35-39	40-44	45-49	male	Female
1970	39.4	27.2	502	473	332	158	64	22	4	66.7	71.6
1980	41.3	23.4	670	453	258	77	17	4	1	69.6	74.5
1985	34.5	18.0	602	383	210	65	14	2	0	70.8	75.8
1990	33.5	16.6	682	394	237	80	17	2	0	71.3	76.8
1995	32.9	15.5	754	408	253	103	24	3	0	71.9	77.8
2000	30.4	13.8	898	475	266	122	30	4	0	72.6	78.5
2005	20.6	9.1	1,000	496	223	105	29	4	0	73.7	79.8

Source : Same as Table 2.

**Table 4. Charges of Age Structure in Taiwan**

Year	No. of population (10,000)				%				Ratio (%)		Ratio of 15-64 to 65 & above
	Total	Ages 0-14	Ages 15-64	Ages 65 & above	Total	Ages 0-14	Ages 15-64	Ages 65 & above	$\frac{0-14}{15-64}$	$\frac{65+}{15-64}$	
1946	609	264	330	15	100.0	43.3	54.1	2.6	80	5	22.0:1
1950	756	313	424	19	100.0	41.4	56.1	2.5	74	5	22.3:1
1955	907	394	491	22	100.0	43.4	54.1	2.5	80	4	22.3:1
1960	1,079	490	562	27	100.0	45.4	52.1	2.5	87	5	20.8:1
1965	1,263	567	663	33	100.0	44.9	52.5	2.6	86	5	20.0:1
1970	1,468	582	843	43	100.0	39.7	57.4	2.9	71	5	19.6:1
1975	1,623	574	992	57	100.0	35.4	61.1	3.5	58	6	17.4:1
1980	1,787	574	1,136	77	100.0	32.1	63.6	4.3	51	7	14.8:1
1985	1,932	572	1,262	98	100.0	29.6	65.3	5.1	45	8	12.9:1
1990	2,041	553	1,361	127	100.0	27.1	66.7	6.2	41	9	10.7:1
1995	2,136	508	1,465	163	100.0	23.8	68.6	7.6	35	11	9.0:1
2000	2,227	470	1,565	192	100.0	21.1	70.3	8.6	30	12	8.2:1
2005	2,277	426	1,629	222	100.0	18.7	71.5	9.8	26	14	7.3:1

Source : 1.Population Policy Committee, Ministry of Interior, Data on Population Policy, 2005.  
 2.Ministry of Interior, Population Statistics of Taiwan Area, 2006.

**Table 5. Projection of Population Structure in Taiwan (Medium projection)**

Year	No. of population (10,000)				%				Ratio (%)		Ratio of 15-64 to 65 & above
	Total	Ages 0-14	Ages 15-64	Ages 65 & above	Total	Ages 0-14	Ages 15-64	Ages 65 & above	$\frac{0-14}{15-64}$	$\frac{65+}{15-64}$	
2006	22,850	4,152	16,424	2,274	100.0	18.2	71.9	9.9	25.3	13.9	7.2:1
2007	22,916	4,032	16,557	2,327	100.0	17.6	72.3	10.1	24.4	14.1	7.1:1
2008	22,978	3,906	16,693	2,379	100.0	17.0	72.7	10.3	23.4	14.3	7.0:1
2009	23,036	3,782	16,828	2,425	100.0	16.4	73.1	10.5	22.5	14.4	6.9:1
2010	23,089	3,656	16,987	2,446	100.0	15.8	73.6	10.6	21.5	14.4	7.0:1
2011	23,138	3,529	17,128	2,480	100.0	15.3	74.0	10.7	20.6	14.5	6.9:1
2012	23,180	3,399	17,236	2,544	100.0	14.7	74.3	11.0	19.7	14.8	6.8:1
2013	23,216	3,322	17,264	2,630	100.0	14.3	74.4	11.3	19.2	15.2	6.7:1
2014	23,247	3,227	17,279	2,741	100.0	13.9	74.3	11.8	18.7	15.9	6.3:1
2015	23,271	3,106	17,301	2,864	100.0	13.4	74.3	12.3	18.0	16.6	6.0:1
2016	23,290	3,032	17,229	3,030	100.0	13.0	74.0	13.0	17.6	17.6	5.7:1
2020	23,299	2,834	16,772	3,692	100.0	12.2	72.0	15.8	16.9	22.0	4.5:1
2025	23,154	2,645	15,924	4,585	100.0	11.4	68.8	19.8	16.6	28.8	3.5:1
2030	22,783	2,413	14,936	5,434	100.0	10.6	65.6	23.8	16.2	36.4	2.7:1
2035	22,141	2,146	13,942	6,053	100.0	9.7	63.0	27.3	15.4	43.4	2.3:1
2040	21,243	1,872	12,962	6,410	100.0	8.8	61.0	30.2	14.4	49.5	2.0:1
2045	20,137	1,644	11,696	6,797	100.0	8.2	58.1	33.7	14.1	58.1	1.7:1
2050	18,884	1,483	10,466	6,934	100.0	7.9	55.4	36.7	14.2	66.3	1.5:1
2051	18,621	1,457	10,279	6,886	100.0	7.8	55.2	37.0	14.2	67.0	1.5:1

Source : Commission for Economic Planning and Development, Executive Yuan, Population Projection of Taiwan Area, 2006 to 2051, 2006

**Table 6. Number of Birth and Aging of Labor Force and the Elderly**

Year	Number of birth (1,000)	Population ages 45-64		Population ages 65-74		Population ages 75+	
		No.(1,000)	% in labore force	No.(1,000)	% in Elderly population	No.(1,000)	% in elderly population
2006	202	5,435	33.21	1,315	58.11	948	41.89
2011	196	6,459	37.84	1,378	55.82	1,091	44.18
2016	183	6,978	40.64	1,753	58.10	1,264	41.90
2021	169	7,105	42.92	2,473	64.09	1,386	35.91
2026	152	7,246	46.21	2,957	62.28	1,790	37.72
2031	131	7,088	48.27	3,169	56.97	2,393	43.03
2041	101	6,621	52.28	3,093	47.66	3,397	52.34
2051	86	5,416	52.86	3,170	46.20	3,692	53.80

Source : Some as Table 5.

Table 7. Family Structure and Household Composition of the Elderly ( 65 or older ) in Taiwan

( % )				
Household Structure	1989	1996	2002	2005
One generation household :				
Lives alone	10.2	9.6	8.5	13.9
Lives with spouse only	12.6	16.1	19.5	22.2
Two generation household				
Lives w/ spouse and children *	---	---	10.4	9.8
Lives w/ children only *	---	---	12.5	9.1
Lives w/ parents	---	---	0.3	0.6
Lives w/ grandchildren only	---	---	2.0	3.1
Sub total	---	26.0	25.2	22.6
Three generation household				
Live with children and grandchildren *	---	---	37.8	36.8
Live w/ parents & children *	---	---	0.4	0.8
Sub total	---	42.0	38.2	37.6
Four generation household *	---	---	0.3	0.6
Live w/ other relatives or friends only	---	---	0.6	0.8
Live in institutions	---	---	7.5	2.2
Others	---	---	0.2	0.1
Total	100.0	100.0	100.0	100.0
*Proportion lives with children	( 70.6 )	( 69.1 )	( 61.4 )	( 57.2 )

Source : Ministry of Interior, A Survey on Living Condition of Population Age 50 and Above, 2005.





**Table 8. ADL of the Elderly (65 or older) in Taiwan (2005)**

Items	%
No difficulty	87.4
Difficulty in:	12.6
Taking meals	2.5
Move up & down ( bed or seat )	4.8
Clothing	4.7
Go to toilet	4.4
Take a bath	5.9
Walk in the room	4.8
Wash face, hair, teeth	3.0
Go up & down stairs	10.5
Control urination and bowel movement	3.0
Others	0.3

Source: Same as Table 7.

**Table 9 . IADL of the Elderly (65 or older) in Taiwan (2005) (%)**

Types of activity	Ability to do:		
	Yes, able	With some difficulty	No, cannot
Take a walk	85.5	6.5	8.0
Shopping	81.9	6.8	11.3
Take public transportation	77.0	8.6	14.4
Help some simple errand	85.9	4.2	9.9
Financial management	86.3	3.9	9.8

Source: Same as Table 7.

# Fig1. Demographic Transition in Taiwan

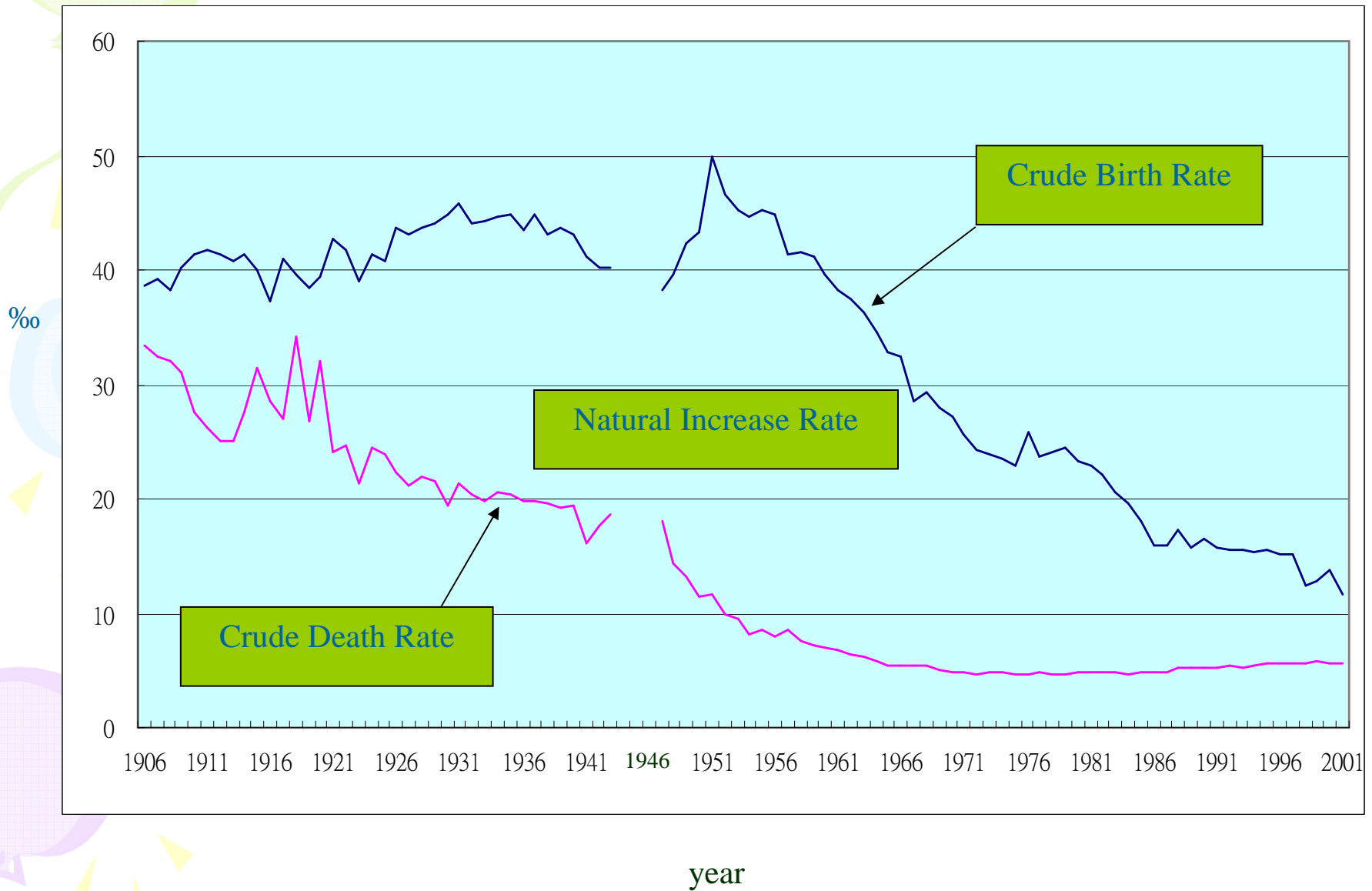
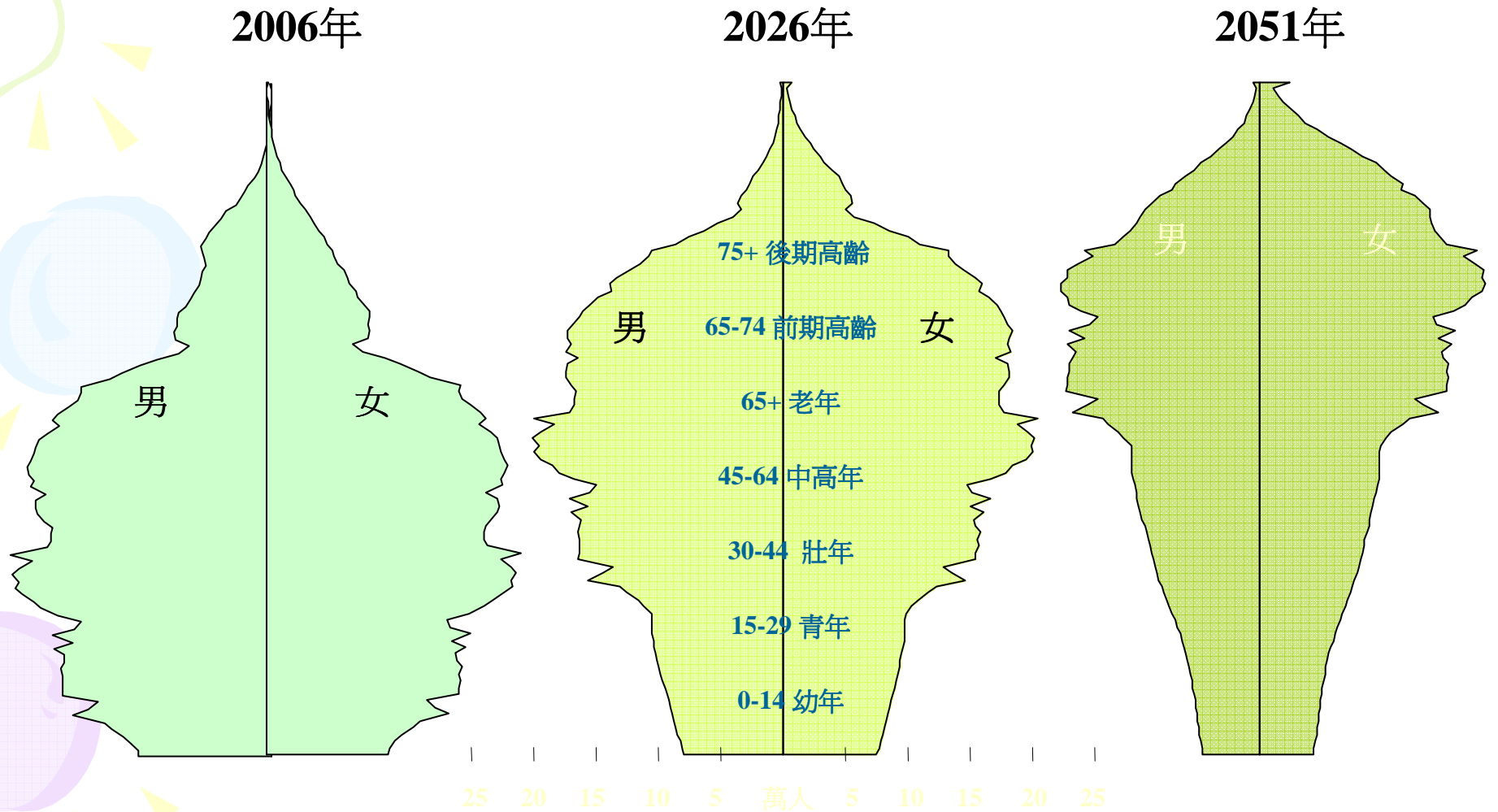


Fig2. Future Population Pyramids in Taiwan



資料來源：行政院經濟建設委員會，[中華民國臺灣95年至140年人口推計](#)，95年6月。